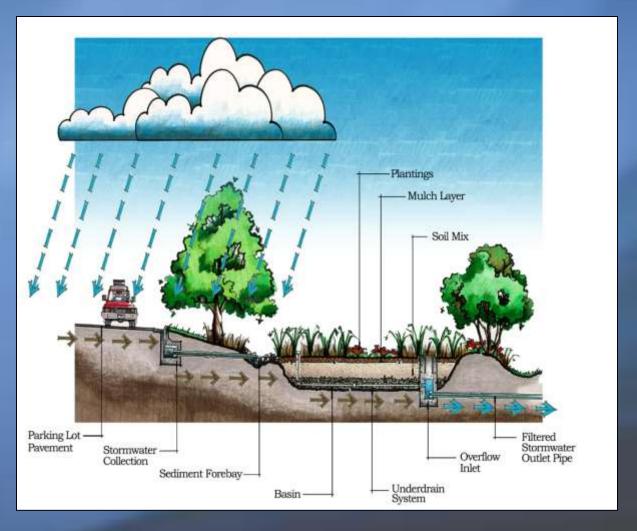
NCDOT Stormwater Management at Rest Areas



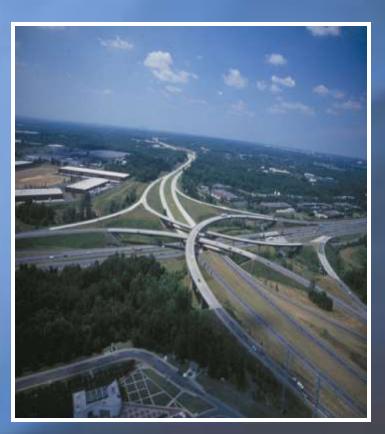




NCDOT Assets

NCDOT System

- 80,000 road miles
- 160,000 paved lane miles
- 13,500 bridges
- 88 million sq. ft. bridge deck area
- 8,900 traffic signals
- 60 rest areas
- 1,600 stormwater control devices







NCDOT Highway Stormwater Program Main Program Areas

- 1. Construction
- 2. Encroachments
- 3. Illicit Discharges Detection and Elimination
- 4. Industrial Facilities
- 5. Research
- 6. Public & Internal Education
- 7. Post Construction







Stormwater Permit Requirements Inspection and Maintenance Program

- Evaluate BMP Inspection and Maintenance Needs (Create Stormwater Control Inventory)
- Develop a BMP Inspection and Maintenance Manual
- Develop and Implement a BMP Inspection and Maintenance Program





Types of Stormwater Control Devices Located at Rest Areas

- Pet Waste Stations (145)
- Filtration Basin (2)
- Stormwater Wetland (2)
- Hazardous Spill Basin (13)
- Grade Control Structure (1)

- Cistern (5)
- Permeable Pavement (2)
- Dry Detention Basin (1)
- Infiltration Basin (1)
- Bioretention Basin (4)
- Green Roof (1)





Pet Waste Station









Bioretention Basin









Dry Detention Basin







Hazardous Spill Basin







Filtration Basin







Infiltration Basin







Stormwater Wetland







Permeable Pavement















Green Roof







Green Roof







Stormwater Control Inspection and Maintenance Manual

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

STORMWATER CONTROL
INSPECTION AND MAINTENANCE MANUAL











BMP Inspection & Maintenance Manual Content

Table of Contents

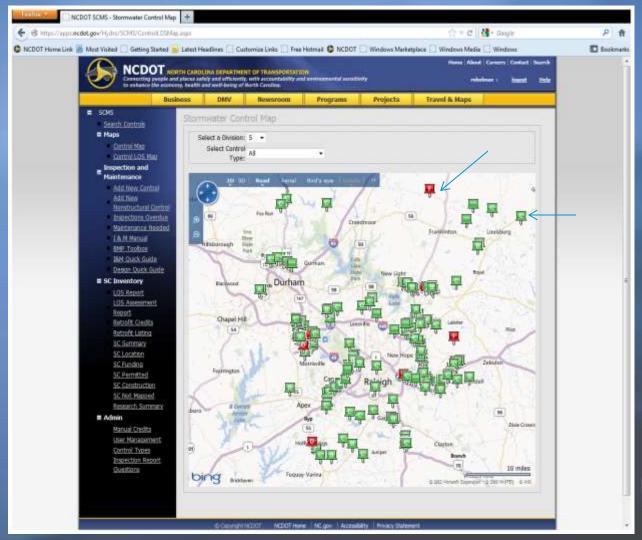
- Introduction
- Inspection
- Reporting & Record Keeping
- Chapters on (13) Control Devices
- Inspection Checklist & Naming Convention

For a link to manual: kpace@ncdot.gov





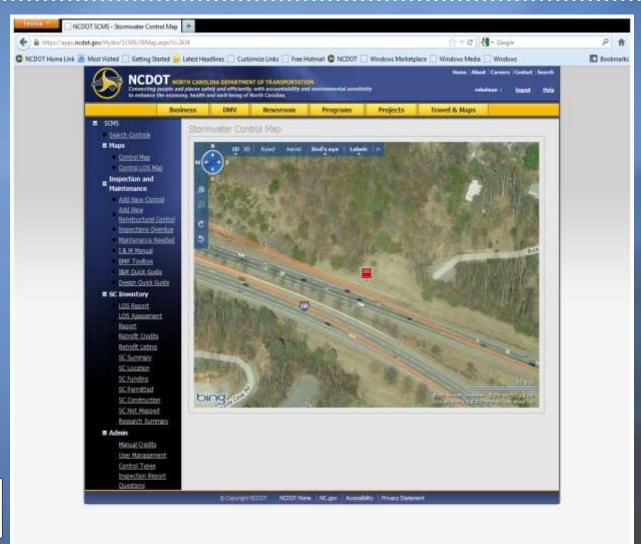
Stormwater Control Management System (SCMS) NCDOT Intranet Website Map of Division's Device Locations







Stormwater Control Management System (SCMS) NCDOT Intranet Website Map of Control's Location – Bird's Eye View

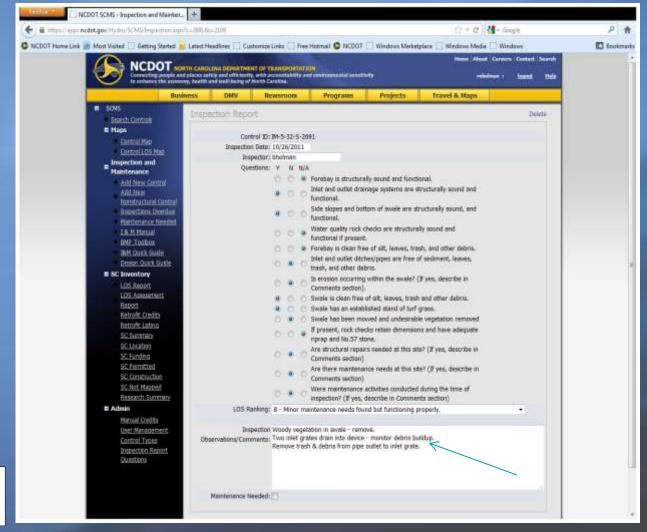






Stormwater Control Management System (SCMS) NCDOT Intranet Website

Inspection Report

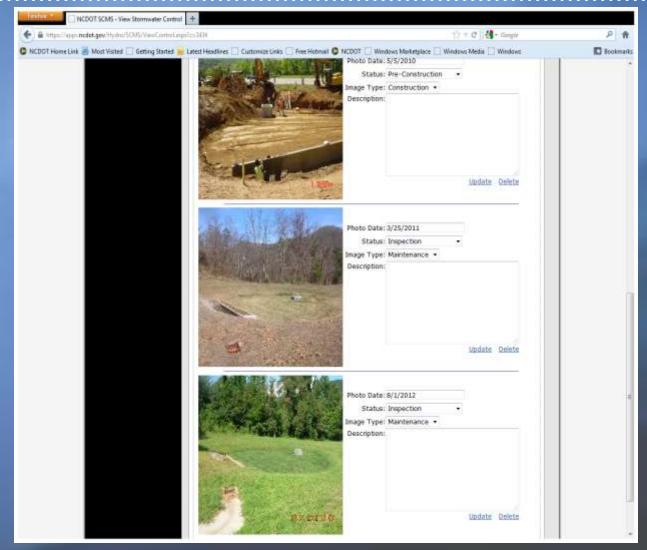






Stormwater Control Management System (SCMS) NCDOT Intranet Website

Pictures of Device







Maintenance Needs Increase with Time (Mostly in the form of vegetation control)





New



1 to 2 years







NCDOT Highway Stormwater Program Questions?

